

Sci/Aero

C

Tests on Profile NACA 0012-63 in the DV L-High Speed Wind
Tunnel, by G. Richter. UNCLASSIFIED

GERMAN, GDC 10/4081 N/T.

NACA N-2234

Dec cts

A 9858

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Drag of Aircraft Directive Aerials at High Speed, by G.
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GERMAN, GDC 2280 T, Jun 1944.

0182438

NACA 5321, 737

FLT: Aerodynamischer Widerstand Von Bordrichtantennen
Bei ~~den~~ hohen Geschwindigkeiten

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A9857

A New Institute of Seismology in Halle by Dr G.
Richter, 3 pp.

Full translation.

GIEMMAN, Berichte des Deutschen Wetterdienstes in
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AF 546046

Scientific - Geophysics

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CIA 1415274

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Forgings With and Without Previous Upsetting of
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RUSSIAN, per, Kuznetskiy-Shtamp. Proizvodstvo,
No 10, Oct 1964, pp 4-8.
HD 6425

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May 65

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studies of hammering with and with-
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GERMAN, per, Neue Hütte, Vol 9,
Sep 1964, pp 570.
DISI 4360

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Sch/MNI
Sep 65

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A. Introduction; B. Geographic Situation and General Characteristics; C. Relief and Waters; D. Physico-Geographic Regions, by A. A. Grigoryev, G. D. Richter, 53 pp. UNCLASSIFIED

RUSSIAN, bk, Nizhneye Povolzh'ye, Fiziko-Geograficheskoye Opisanie, publ by Acad of Sci USSR, Moscow/Leningrad, 1948, pp 3-4, ~~pp~~ 5-6, 17-44, 114-130.

G-2, GSUSA G-2127

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Apr 54 CTS/DEX

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(DO-3901)

Problems in the Classification of Russian Homonyms,
by G. I. Richter, 10 pp.

RUSSIAN, per, Nauch Dok Vysshey Shkoly, No 1,
1961, pp 24-31.

JPRS 6994

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Nov 61

On the Magnetic Aftereffect in Carbonyl
Iron, by Gustav Richter, 39 pp.

GERMAN, per, Annalen der Physik, Vol XXIX,
No 5, 1957, pp 604-635. 9069044

AEC SOL-T-436

Sci - Phys
Dec 62

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- TT-65-13775

Field 1A

Richter, G.
COMPARISON OF APPROXIMATION METHODS FOR
CALCULATING THE PRESSURE DISTRIBUTION ON
PROFILES AT SUBCRITICAL MACH NUMBERS WITH
MEASUREMENTS (Vergleich von Naecherungsverfahren zur
Berechnung der Druckverteilung an Profilen bei
Unterkritischen Machschen Zahler mit Messungen). 12p.
Order from SLA: \$1.60 as TT-65-13775

Trans. of Lillenthal-Gesellschaft fuer Luftfahrtforschung
(Germany) Rept n156 p188-93 1942.

MR 664

NCH-202 535

Field 7D

Richter, H.

STRUCTURE OF PRECIPITATED, AMORPHOUS
ARSENIC AT VARIOUS TEMPERATURES. 1965,
17p. TC-1289.

Order from TC: \$13.00 as TC-1289

Trans. of Zeitschrift fuer Naturforschung (West
Germany) v12a p996-1002 1957.

I. Trans-Chem,
Knoxville, Tenn.

Richter, H., Wincierz, P., and Zwicker, U.
[INVESTIGATION ON] ALLOYS OF ZIRCONIUM WITH
NIOBIUM AND/OR SILICON WITH A VIEW TO THEIR
USE AS CLADDING MATERIAL IN WATER-COOLED
NUCLEAR REACTORS. Quarterly rept. no. 6, 1 July-
30 Sep 61 and technical rept. to pt. 2 "Length Varia-
tions in Zirconium Alloys caused by Thermal Cycling",
on Contract EUR/C/262/2/60 d (009-60-4 RDA). [1962]
28p. 10 refs.

Order from OTS or SLA \$2.60

EURAE-201

Trans. of a rept. from Metallgesellschaft A.G.,
Frankfurt a.M. (West Germany) 10 Oct 61.

DESCRIPTORS: *Light water reactors, *Fuel elements,
*Fuel cladding, Materials, *Zirconium alloys, Nio-
bium alloys, Silicon alloys, Alloys, Temperature,
Thermal expansion, Tests, Nuclear reactors.

(Nuclear Physics--Nuclear Engineering, TT, v. 9,
no. 2) (over)

62-33167

- I. Richter, H.
- II. Wincierz, P.
- III. Zwicker, U.
- IV. Title: Length ...
- V. EURAE-201
- VI. EURATOM (Belgium)

Office of Technical Services

Richter, H., Kulcke, W., and Specht, H.
THE STRUCTURE OF AMORPHOUS SELENIUM.
[1963] 32p.

Order from ATS \$39.50

ATS-75Q67G

Trans. of Zeitschrift für Naturforsch[ung] (West
Germany) 1952, v. 7a, p. 511-532.

DESCRIPTORS: *Selenium, Physical properties,
Crystal structure.

(Chemistry--Physical, TT, v. 10, no. 3)

63-17332

- I. Richter, H.
- II. Kulcke, W.
- III. Specht, H.
- IV. ATS-75Q67G
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

63-17112

Richter, H. and Herre, F.
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TEN SELENIUM IN THE TEMPERATURE RANGE OF
-180 to 430° C. [1963] 16p.
Order from ATS \$18.50

ATS-76Q67G

Trans. of Zeitschrift für Naturforschung
(West Germany) 1958, v. 13a, p. 874-885.

DESCRIPTORS: Solids, Melting, *Selenium, Tempera-
ture, Crystal structure.

- I. Richter, H.
- II. Herre, F.
- III. ATS-76Q67G
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

...OVIE

(Physics--Solid State, TT, v. 10, no. 1)

Office of Technical Services

Richter, H. and Tverberg, J. C.
INVESTIGATION OF ALLOYS OF ZIRCONIUM WITH
NIOBIUM AND TIN IN VIEW OF THEIR UTILI-
ZATION AS [SHEATHING] MATERIAL IN WATER-
COOLED NUCLEAR REACTORS: ON THE TECHNO-
LOGICAL PROPERTIES AND THE RESISTANCE TO
CORROSION OF THE ALLOY ZrNb3Sn. Special
technical rept. 1 concerning proposal 139, on
Contract 047-61-4 RDA. [1963] 56p. 16 refs.
Order from OTS or SLA \$5.60 EURABC-352

Trans. of a rept. from Metallgesellschaft A. G.,
Frankfurt a. M. (West Germany) 26 Apr 62.

DESCRIPTORS: *Light water reactors, *Zirconium
alloys, *Niobium alloys, *Tin alloys, *Corrosion
inhibition, *Reactor fuel cladding, Nuclear reactors,
Heat treatment, Mechanical properties, Welding, Heat
resistant metals and alloys, Water, Reactor coolants.
(Nuclear Physics--Nuclear Engineering, TT, v. 10,
no. 7)
(over)

63-15737

- I. Title: Sheathing
- I. Richter, H.
- II. Tverberg, J. C.
- III. Title: On the . . .
- IV. EURABC-352
- V. European Atomic Energy
Community, Brussels
(Belgium)

1247568

Office of Technical Services

Richter, H. and Wincierz, P.

INVESTIGATION OF ALLOYS OF ZIRCONIUM WITH
NIOBIUM AND TIN IN VIEW OF THEIR UTILIZATION
AS SHEATHING MATERIAL IN WATER-COOLED
NUCLEAR REACTORS: EXAMINATION OF TUBES
MADE OF THE ALLOY ZrNb3Sn. Special technical
rept. 3 concerning proposal 139, on Contract 047-61-4
RDA. [1963] 36p. 12 refs.

Order from OTS or SLA \$3.60

EURAE-354

Trans. of rept. from Metallgesellschaft A. G.,
Frankfurt a. M. (West Germany) 18 May 62.

DESCRIPTORS: *Light water reactors, *Niobium
alloys, *Tin alloys, *Reactor fuel cladding, Nuclear
reactors, Zirconium alloys, Heat resistant metals and
alloys, Water, Reactor coolants.

The alloy ZrNb3Sn which, in corrosion tests and
mechanical tests, had proved to be a promising
(Nuclear Physics--Nuclear Engineering, TT, v. 10, no.6)
(over)

63-15736

- I. Richter, H.
- II. Wincierz, P.
- III. Title: Examination ...
- IV. EURAE-354
- V. European Atomic Energy
Community, Brussels
(Belgium)

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Office of Technical Services

Modification of the Structure of Evaporated
Ge-Deposits in the Electron Microscope, by
E. W. Fisher and H. Richter.

GERMAN, per, Ann Phys, Vol XVI, No 5-8, 1955,
pp 193-209.

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Aug 58

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<p>Richter, H., Tverberg, J. C. and others. INVESTIGATION [ON ALLOYS OF ZIRCONIUM] WITH NIOBIUM AND TIN WITH RESPECT TO THEIR USE AS CLADDING MATERIAL IN WATERCOOLED NU- CLEAR REACTORS. Quarterly rept. [7] 3 (2d year), 1 Oct-31 Dec 61, on Contract 047-61-4 RDA. [1962] 65p. 14 refs. Order from OTS or SLA \$6.60</p> <p>Trans. of a rept. (E-2348) from Metallgesellschaft A. G., Frankfurt am Main (West Germany) 22 Jan 62.</p> <p>DESCRIPTORS: *Zirconium alloys, *Niobium alloys, *Tin alloys, Fuel cladding, *Nuclear reactors, Corrosion, Tests, Hydrogen, Cold-working, Creep, Welding, Solubility, Light water reactors, *Reactor fuel cladding, *Reactor materials.</p> <p>(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 12)</p>	<p>63-15073</p> <p>I. Richter, H. II. Tverberg, J. C. III. EURAEC-243 IV. EURATOM (Belgium)</p> <p>40240</p> <p>Office of Technical Services</p>
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Richter, H.
CHEMICAL BRIGHTENING OF ALUMINIUM. 1961,
2000 words.
Order from TTIS \$18.00

TTIS FA 79

Trans. of Galvano (France) 1961, v. 30, July,
p. 481-484.

DESCRIPTORS: *Aluminum, Electrolytic polishing.

(Metallurgy--Light Metals, TT, v. 7, no. 5)

62-12333

- I. Richter, H.
- II. TTIS-FA-79
- III. Translation and Technical
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THE CONSTITUTION OF ZIRCONIUM-NIOBIUM AL-
LOYS. [1962].
Order from FRI

FRI Trans-177

Trans. of Journal of the Less-Common Metals (Nether-
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DESCRIPTORS: *Zirconium alloys, *Niobium alloys,
Chemical analysis.

(Chemistry, TT, v. 9, no. 4)

63-12180

- I. Richter, H.
- II. Winclerz, P.
- III. FRI Trans-177
- IV. Fulmer Research Inst.,
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C227867

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2 (SF-1855)

Tendencies in Telegraphic Equipment
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No 12, 1961, pp 542-4 546.

JPRS 13432

EEur - Germany
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ACSI J-6518
FSTC-HT-23-214-69

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May 69

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pp 988-99.
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H. Richter

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Aug. 67

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Methods of Evaluating Coals; Their Critical
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1935, pp 221-229.

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R-72/634

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7-25

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-- Tagungsbericht und Wissenschaftliche Abhandlungen
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[Signature]
*JPRS/SPECIAL/DC-10330

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Results of the 1958 German Expedition to the Sahara,
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Vol CIII, No 2, 1959, pp 100-106. (Call No G1,
P47, Eng Tr)

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ME/A - Sahara
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(NY-10)

The Biological Wastewater Purification
Installation of the Big Coking Plant of
Lauchhammer, by Herbert Richter, Rolf
Friedrich, 12 pp.

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JPRS 11641

AS36 USN 11641

Sci - Engr

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2000 words.
Order from TTIS \$18.00

TTIS FA 79

Trans. of Galvano (France) 1961, v. 30, July,
p. 481-484.

DESCRIPTORS: *Aluminum, Electrolytic polishing.

(Metallurgy--Light Metals, TT, v. 7, no. 5)

62-12333

I. Richter, H.
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III. Translation and Technical
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On the Effect of Deformations on the Mechanical
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1958, pp 549-556.

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Sci - Min/Met

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Richter, H., and Schneider, R.
 TEMPERATURE DEPENDENCE OF THE CONDUCTIVITY OF AMORPHOUS GERMANIUM FILMS DEPOSITED BY VAPORIZATION. [1960] 24p. 15 refs. Order from SLA ml\$2.70, pt\$4.80 61-10319

1. Germanium--Conductivity
2. Metal films--Conductivity
- I. Richter, H.
- II. Schneider, R.

Trans. of Zeitschr[ift für] Angew[andte] Physik (West Germany) 1959, v. 11, no. 7, p. 277-283.

Resistance measurements were made for Ge films deposited by vaporization in a high vacuum at 20° to 600°C. The shape of the resistance curves was strongly dependent on the mode of preparation of the films. In general, the resistance curves of amorphous Ge show impurity conductivity (activation energy: 0.25 to 0.65ev) and characteristic conductivity (activation energy: 0.90ev). The branches of impurity and characteristic conductivity are straight lines. In the case of impurity conductivity the dependence of the resistance and the activation energy on the impurity concentration

(Phys. Solid State, 11, no. 5, 1969, 4) (over)

crystalline is distinguished by a clearly expressed resistance discontinuity for special amorphous Ge films deposited by vaporization. In such cases the conversion is sudden and occurs at about 300°C. The activation energy of converted (crystalline) Ge is 0.75eV and is in agreement with measurements on crystalline Ge. (Author)

PB- 61-10319

(NY-5560)

Tasks of the Electric Instrument Industry, by H.
Richter, 5 pp.

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pp 65, 66.

JPRS 7753

EEur - Germany

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New Problems of Boiler Feed Water Treatment, by
H. Richter, 8 p.

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Vol XXXVII, No 15, pp 389-392.

SLA 60-10288

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Vol III, No 2

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A New Method for Large Scale Mapping of Relief,
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ON THE EFFECT OF DEFORMATIONS ON THE
MECHANICAL PROPERTIES OF A PRECIPITATION
HARDENING ALUMINIUM ALLOY. [1961].
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Order from FRI

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pb\$4.80 as 60-18903 [1960] 26p.

DESCRIPTORS: *Aluminum alloys, *Mechanical prop-
erties, *Hardening.

For abstract see Technical Translations 4: 687, 1960.

(Metallurgy, TT, v. 6, no. 1)

61-22415

- I. Title: Precipitation
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- I. Richter, H.
- II. Wassermann, G.
- III. FRI Trans-137
- IV. Fulmer Research Inst.,
Ltd. (Gt. Brit.)

OT/4203
Fulmer Res.
Inst. (US)

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Structure of Amorphous Germanium and Silicon.
H. Richter.
Chem. Ber., Zeitschrift für Naturforschung,
Vol 11a, 1956, pp 988-996.
*MC 2414

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Ultrasonic Testing of Austenitic Weldments-1,
by H. U. Richter,
GERMAN, per. Technik, Vol 23, Oct, 1968,
pp 610-619.
BISI 8479

H. U. Richter

Mar 71

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Economic Quality Control Through Nondestructive
Materials Testing, by H. U. Richter, 15pp.

GERMAN, per, Die Technik, Vol XVI, No 11,
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JPRS 12876

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Economic Quality Control Through Non-destructive Materials Testing, by
H. U. Richter, 15 pp.

GERMAN, per, Die Technik, Vol XVI,
No 11, 1961, pp 767-773.

JPRS 12876

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Pressure Drop in Smooth Pipe Banks, by Hugo Tiedt.
93 pp.

GERMAN, per, Forschungsarbeiten auf dem Gebiete des
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AEC Tr-4469

Sci - Engr
Dec 61

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Pressure Drop in Smooth Pipe Bends, by Hugo Richter,
138 pp.

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No 338, 1930, pp 1-31.

AEC Tr-4469

Sci - Engr
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J. Richter, H. Klein,

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194, 1957

C.S.I.R.O.

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Sci + Med May 60

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THE PREPARATION OF DDT BY THE CONTINUOUS
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Order from SLA \$1.10 63-10986

Trans. of Industria y Quimica (Argentina) 1945,
v. 7, p. 132-135.

DESCRIPTORS: *DDT, *Insecticides, Pest control,
Chlorides, Benzenes, Ethanols, Production, Synthesis
(Chemistry), Towers (Chemistry).

(Engineering--Chemical, TT, v. 10, no. 5)

63-10986

I. Richter, J.

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Office of Technical Services

Richter, J.
PROCESS FOR THE PRODUCTION OF DYED FIBRES,
THREADS AND THE LIKE MADE FROM POLYESTERS.
Jun 64.

Order from TTIS \$4.00

TTIS NS 218

Trans. of East German patent 26,640, appl. 28 Mar 62,
pub. 17 Dec 63.

(Materials--Textiles, TT, v. 12, no. 6)

TT-64-22556

- I. Richter, J.
- II. Patent (East Germany)
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- III. TTIS-NS-218
- IV. Translation and Technical
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PP 15-19.

JPRS 100579

SCI - MISC

APR 63

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GERMAN, per, Deutsche Gesundheitswesen, Vol IV,
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ELA 60-16687

Sci

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Richter, K., Cranz, K. L., and Lezius, G.
THE ACTION OF APP-SUPPLEMENTS IN SWINE
FATTENING (Über die Wirkung von APP-Belgaben in
der Schweinemast). [1963] [26p] 1ref
Order from SLA \$2.60

TT-64-10040

Trans. of Züchtungskunde (West Germany) 1952,
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DESCRIPTORS: *Swine, *Nutrition, Diet, Food,
*Proteins, Vitamin B complex,

(Agriculture--Animal Husbandry, TT, v. 11, no. 5)

TT-64-10040

1. Title: APP supplement
- I. Richter, K.
- II. Cranz, K. L.
- III. Lezius, G.

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Studies on the Usefulness of Ganglionic Blockers in
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7 pp.

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Scientific - Medicine

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Aug 55

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Use of High Purity Materials in Thermometry, by
M. Richter.
GSRMAB, rpt. Paper presented at the International
Symposium on Pure Materials in Science and Tech-
nology held at Dresden, Nov 30-Dec 2, 1961.
pp 345-355.
NASA TT F-11,508

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Apr 68

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BLA 58-564

Sci

Aug '59

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The Present Status of Color Theory, by Manfred
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Socialist Work Methods Improve the Work of the
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JPRS 2338

EUR - Germany
Econ - Transportation
Mar 60

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About the Physiology of Wearing Apparel, by
K. H. Richter, 10 pp.

GERMAN, per, Deutsche Textiltechnik, No 1, 1963,
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ACSI I-2352
ID 2229423

EUR - Germany
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Jul 63

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nology held at Bremen Nov 30 - Dec 2 1961,
pp 345-355.
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Sci-Phys
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NATIONAL ECONOMY, BY MIROSLAV RICHTER, 6 PP.

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CZECH, PER, TECHNICKA PRACA, NO 10,
1962, PP 778-782.

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EEUR - CZECH

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JAN 69

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Red Region of the Spectrum, by N. Richter.
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1964, pp 809-811.

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N. Richter

Sci-Phys

Sept 66

Experimental Investigations on the Illumination
of Interplanetary Matter, by N. Richter, 6 pp.

GERMAN, per, Monatsberichte der Deutschen
Akademie der Wissenschaften zu Berlin, Vol I,
No 12, 1959, pp 727-737.

IGC 113

Sci. - Geophys
May 60

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Richter, N. B.
THE NATURE OF COMETS, REV. ED.
Arthur Peet, tr. 1963, iv
Order from Dover Publications, Inc., 180 Varick St.,
New York, 14, N. Y. \$10.00

Trans. and revision of an unidentified mono. . n. p. . n. d.
(Abstract available)

DESCRIPTORS: *Comets, Statistical data, Tables,
Planets, Meteors, Orbital trajectories,

The text begins with a historical survey, covering con-
ceptions and theories of comets from 1700 to the pres-
ent. There follow chapters on statistical research
(total number of comets, orbital forms, the general
circumsolar cometary system, the central planetary
comet system, perturbations caused by Jupiter, comet
groups and families, etc.); the structure of a comet;
(Astronomy--Astrophysics, TT, v. 11, no. 11) (over)

TT-64-12252

I. Richter, N. B.
II. Dover Publications, Inc.,
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The Testboard for Long Distance Cable Lines, by W.
Gebhardt, P. Richter, 76 pp.

GERMAN, par, Telegraphen u Fernsprechtechnik, Vol
XVII, No 11, 1928,

SIA 58-15A

Sci

Aug 59

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